

FBI COPY

<u>Facility</u>	<u>Quantity of Total Uranium</u> (Unless specified otherwise)
K-1066-B	2331 kg
K-1066-E	13,068,188 kg
K-1066-J	7,183,686 kg
K-1066-K	2,376,271 kg
K-303-3	20,691 kg
K-1420	785 kg + 140 grams
K-1030	528 grams
K-1024	122 grams
22A Vault	785 kg
19A Vault	208 kg
16A Vault	5,172 kg
K-305-10	11,662 kg
1X Vault	871 kg
K-1025-A	134 g
K-1025-D	33 g Pu-239 2 g U-233 26 g Np-237 2.2 g Pu-238
K-1004-L	55 kg
K-1004-A	2 kg
K-1004-B	3 kg
K-1004-C	57 g
7A Vault	1,040 kg

## APPROVAL FOR RELEASE

Document: # Unnumbered; Date ND  
 Title/Subject 14 pages, no title

Approval for unrestricted release of this document is authorized by the Oak Ridge K-25 Site Classification and Information Control Office, Martin Marietta Energy Systems, Inc., PO Box 2003, Oak Ridge, TN 37831-7207.

1/6/93

*[Signature]*  
 K-25 Classification & Information Control Officer

Date

#233

ChemRisk Repository Number: 233 Document Number: 00493  
Title: List of All Buildings Containing Radiological Hazards and the  
Quantities produced, stored and/or Used on an Annual Basis in Each  
Building  
Authors: Martin Marietta  
Abstract: List provided to the Tiger Team in response to a question regarding  
buildings with radiological hazards.  
Reviewer: J. Lamb  
Document Source or Location: K-25 SDRG  
Date Document Issued: 00/00/91  
Classification Category: unc  
Site Document Addresses: K  
Primary Document Category: HO

Date Entered: 11/16/92

Entered By: cmv

Keywords: Uranium, Inventory, Nickel-63, Ra-226, Cesium-137, Cobalt-60,  
Ir-192, Plutonium-239, Plutonium-238, X-ray generator,  
Californium-252, Cobalt-57

---

<u>Facility</u>	<u>Quantity of Total Uranium</u> (Unless otherwise specified)
K-1220	78 kg
K-1210	889 kg
15X Vault	7,719 kg
K-1037	14,678 kg
K-1435	40,242 kg
Indefinite Storage	383 kg

Note: Cascade Equipment Hold-up can be furnished upon request for gaseous diffusion process buildings.

ATTACHMENT II

Report Date: 09/16/91

- BUSINESS SENSITIVE -  
MARTIN MARIETTA ENERGY SYSTEMS  
Source Inventory System  
Report SI01, K-25 site Sources Scheduled for Audit

Cover Page

+--Selections made for this report:-----

| Plant(s) : K-25 site Source Status: TRACKABLE Scheduled and/or Overdue: SCHEDULED & OVERDUE  
| Source Type(s) : ALL

| Sorted by: Plant / Custodian Division / Building No. / Building Suffix / Room / Custodian Last Name  
| Custodian First Name / Custodian Middle Init. / Source ID  
+-----

Report Date: 09/16/91

- Business Sensitive -  
MARTIN MARIETTA ENERGY SYSTEMS  
Source Inventory System  
Report SI08, K-25 site Source Inventory Summary  
By Building

Cover Page

+--Selections made for this report:-----+

Plant(s) :K-25 site

Custodian(s) :ALL

Source Status :TRACKABLE

Source Type(s) :ALL

Building(s): ALL

Room(s) : ALL

Division : ALL

Building Suffix: ALL

Sorted by: Plant / Building Number / Building Suffix / Room / Source Type / Source ID

Report Date: 09/16/91

- Business Sensitive -  
MARTIN MARIETTA ENERGY SYSTEMS  
Source Inventory System  
Report SI08, K-25 site Source Inventory Summary  
By Building

Page: 1

Division: 04 Building: 1004-B

Source ID (Old ID)	Source Type	Custodian	Room	Status
x-7002	X-ray generator	Oatts, T.	110	Inactive: 02/26/90
	Type: Enclosed beam radiographic Max OutP: 6.00E+01 KV			Last Audited: 03/04/91
Location: Right as you walk in room				
x-7015	X-ray generator	Oatts, T.	110	Inactive: 03/04/91
	Type: Enclosed beam radiographic Max OutP: 6.00E+01 KV			Last Audited: 03/04/91
Location: Next room to the right after entering room 110.				
Ni-63-6027 (27)	Radionuclide	Zingg, D. S.	171	In storage: 07/18/91
	Ni-63	Current Activity: 7.16E+00mCi		Last Audited: 07/18/91
Location: on counter at the south east corner of the room				
Ni-63-6028 (28)	Radionuclide	Zingg, D. S.	171	In storage: 07/18/91
	Ni-63	Current Activity: 7.31E+00mCi		Last Audited: 07/18/91
Location: on counter at south east corner of room				

Division: 04 Building: 1004-D

Source ID (Old ID)	Source Type	Custodian	Room	Status
Ni-63-6029 (67)	Radionuclide	Zingg, D. S.	17	Active - in use: 04/19/91
	Ni-63	Current Activity: 1.46E+01mCi		Last Audited: 04/19/91
Location: on west end of the counter located on the North side of the room.				

Report Date: 09/16/91

- Business Sensitive -  
MARTIN MARIETTA ENERGY SYSTEMS  
Source Inventory System  
Report S108, K-25 site Source Inventory Summary  
By Building

Page: 2

Division: 04 Building: 1004-D

Source ID (Old ID)	Source Type	Custodian	Room	Status
Ni-63-6032 (32)	Radionuclide Ni-63	Zingg, D. S. Current Activity: 1.44E+01mCi	17	In storage: 05/07/91 Last Audited: 04/19/91
Location: in storage cabinet NW corner of room				
Ni-63-6034 (34)	Radionuclide Ni-63	Zingg, D. S. Current Activity: 1.44E+01mCi	17	Active - in use: 05/07/91 Last Audited: 04/19/91
Location: Against east wall South East corner of the room				
Ni-63-6037 (37)	Radionuclide Ni-63	Zingg, D. S. Current Activity: 1.44E+01mCi	17	Active - in use: 04/19/91 Last Audited: 04/19/91
Location: fourth counter top from south side of room on the west end of the counter top				
Ni-63-6038 (38)	Radionuclide Ni-63	Zingg, D. S. Current Activity: 1.44E+01mCi	17	Active - in use: 04/19/91 Last Audited: 04/19/91
Location: on the fourth counter from the south wall on west end of counter.				
Ni-63-6039 (39)	Radionuclide Ni-63	Zingg, D. S. Current Activity: 1.44E+01mCi	17	Active - in use: 04/19/91 Last Audited: 04/19/91
Location: on the center of the fourth counter from the south wall.				
Ni-63-6040 (40)	Radionuclide Ni-63	Zingg, D. S. Current Activity: 1.44E+01mCi	17	Active - in use: 04/19/91 Last Audited: 04/19/91
Location: in the center of the fifth counter from the south wall.				
Ni-63-6041 (41)	Radionuclide Ni-63	Zingg, D. S. Current Activity: 1.40E+01mCi	17	In storage: 04/19/91 Last Audited: 08/01/91
Location: stored underneath the fifth counter from the south wall. Stored close to the west end.				
Ni-63-6042 (42)	Radionuclide Ni-63	Zingg, D. S. Current Activity: 1.41E+01mCi	17	Active - in use: 04/19/91 Last Audited: 04/19/91
Location: Second counter from the south side of the room. Sitting on East end of counter.				

Report Date: 09/16/91

- Business Sensitive -  
MARTIN MARIETTA ENERGY SYSTEMS  
Source Inventory System  
Report SI08, K-25 site Source Inventory Summary  
By Building

Page: 3

Division: 04 Building: 1004-D

Source ID (Old ID)	Source Type	Custodian	Room	Status
Ni-63-6043 (43)	Radionuclide Ni-63	Zingg, D. S.	17	In storage: 04/19/91 Last Audited: 08/01/91
Location: underneath the fifth counter from the south wall. Under the east end of counter.				
Ni-63-6044 (44)	Radionuclide Ni-63	Zingg, D. S.	17	Active - in use: 04/19/91 Last Audited: 04/19/91
Location: on the west end of the third counter from the south wall.				
Ni-63-6045 (45)	Radionuclide Ni-63	Zingg, D. S.	17	Active - in use: 04/19/91 Last Audited: 04/19/91
Location: Sitting on the West end on the third counter from the south wall.				
Ni-63-6047	Radionuclide Ni-63	Zingg, D. S.	17	Active - in use: 08/14/91 Last Audited: 08/14/91
Location: West end of the fourth counter from the south wall				

Division: 04 Building: 1004-F

Source ID (Old ID)	Source Type	Custodian	Room	Status
Ni-63-6031 (31)	Radionuclide Ni-63	Zinnig, D. S.	main- one room bldg.	Inactive: 08/02/91 Last Audited: 08/02/91
Location: east side inside door.				
Ni-63-6033 (33)	Radionuclide Ni-63	Zinnig, D. S.	main- one room bldg.	Inactive: 08/02/91 Last Audited: 08/02/91
Location: in east side just inside door.				



Report Date: 09/16/91

- Business Sensitive -  
MARTIN MARIETTA ENERGY SYSTEMS  
Source Inventory System  
Report SI08, K-25 site Source Inventory Summary  
By Building

Page: 4

Division: 04 Building: 1004-F

Source ID (Old ID)	Source Type	Custodian	Room	Status
Ni-63-6035 (35)	Radionuclide Ni-63	Zingg, D. S. Current Activity: 1.41E+01mCi	main- one room bldg.	Inactive: 08/02/91 Last Audited: 08/02/91
Location: just inside door on east side.				
Ni-63-6036 (36)	Radionuclide Ni-63	Zingg, D. S. Current Activity: 1.38E+01mCi	main- one room bldg.	Inactive: 08/02/91 Last Audited: 08/02/91
Location: inside door east side of bldg.				

Division: 03 Building: 1006

Source ID (Old ID)	Source Type	Custodian	Room	Status
Ni-63-3705	Radionuclide Ni-63	Morgan, I. L. Current Activity: 1.43E+01mCi	B-106	Active - in use: 06/19/91 Last Audited: 06/19/91
Location: Center of room (inside gas chromatograph)				
Ra-226-3706	Radionuclide Ra-226	Morgan, I. L. Current Activity: 9.97E+00uCi	D-107	Active - in use: 06/19/91 Last Audited: 06/19/91
Location: Back against East wall in 1211 RackBeta instrument				

Division: Building: 1006-D

Source ID (Old ID)	Source Type	Custodian	Room	Status
x-7012 (k311758)	X-ray generator Type: Enclosed beam radiographic	Hoffman, D. P.	101-B	In storage: 02/27/90 Last Audited: 03/04/91
Location: Upon entering room 101, first door on right is 101-B. X-ray machine is in center of room.				

Report Date: 09/16/91

- Business Sensitive -  
MARTIN MARIETTA ENERGY SYSTEMS  
Source Inventory System  
Report SI08, K-25 site Source Inventory Summary  
By Building

Page: 5

Division: 04 Building: 1006-D

-----

Source ID (Old ID)	Source Type	Custodian	Room	Status
x-7013 (K308899)	X-ray generator Hoffman, D. P. Type:Enclosed beam radiographic Max OutP: 6.00E+01 KV		103	Inactive: 03/05/91 Last Audited: 03/05/91
Location: Two x-ray machines are in the back of this room. This unit is the one on the left .				
x-7014 (K308903)	X-ray generator Hoffman, D. P. Type:Enclosed beam radiographic Max OutP: 6.00E+01 KV		103	Active - in use: 03/05/91 Last Audited: 08/02/91
Location: Two units are located in the back of this room, this unit is on the right side.				
x-7011 (K308912)	X-ray generator Hoffman, D. P. Type:Enclosed beam radiographic Max OutP: 5.50E+01 KV		105	Inactive: 02/27/90 Last Audited: 03/05/91
Location: Back of room				

=====

Division: 16 Building: 1025-A

-----

Source ID (Old ID)	Source Type	Custodian	Room	Status
Co-60-6000 (16)	Radionuclide Co-60	Burr, J. G. Current Activity: 1.11E+03mCi	MAIN	Awaiting disposal: 11/06/90 Last Audited: 06/26/91
Location: Far side from main entrance on carrier				
Cs-137-6006 (30)	Radionuclide Cs-137	Burr, J. G. Current Activity: 1.69E+01mCi	Main Room	In storage: 11/26/90 Last Audited: 06/26/91
Location: Right side of room.				
Cs-137-6016 (29)	Radionuclide Cs-137	Burr, J. G. Current Activity: 6.91E+01mCi	Office	Awaiting disposal: 11/26/90 Last Audited: 06/26/91
Location: Drum in corner of office on right.				

Report Date: 09/16/91

- Business Sensitive -  
MARTIN MARIETTA ENERGY SYSTEMS  
Source Inventory System  
Report S108, K-25 site Source Inventory Summary  
By Building

Page: 6

Division: 16 Building: 1025-A

Source ID (Old ID)	Source Type	Custodian	Room	Status
Cs-137-6023 (Cs-137-0190)	Radionuclide Cs-137	Burr, J. G. Current Activity: 7.15E+00mCi	Office	Awaiting disposal: 09/11/90 Last Audited: 06/26/91
Location: Corner to right of doorway in drum				
Cs-137-6024 (Cs-137-0189)	Radionuclide Cs-137	Burr, J. G. Current Activity: 7.15E+00mCi	Office	Awaiting disposal: 09/11/90 Last Audited: 06/26/91
Location: Corner to right of doorway in drum				
Ra-226-6018 (1)	Radionuclide Ra-226	Burr, J. G. Current Activity: 9.75E+02uCi	office	Awaiting disposal: 11/06/90 Last Audited: 06/26/91
Location: In drum right side of room				
Ra-226-6019 (2)	Radionuclide Ra-226	Burr, J. G. Current Activity: 1.11E+00mCi	Office	Awaiting disposal: 11/06/90 Last Audited: 06/26/91
Location: Corner to right of doorway in drum				
Ra-226-6020 (3)	Radionuclide Ra-226	Burr, J. G. Current Activity: 1.13E+00mCi	Office	Awaiting disposal: 11/06/90 Last Audited: 06/26/91
Location: Corner to right of doorway in drum				
Ra-226-6021 (4)	Radionuclide Ra-226	Burr, J. G. Current Activity: 1.02E+00mCi	Office	Awaiting disposal: 11/05/90 Last Audited: 06/26/91
Location: Corner to right of doorway in drum				
Ra-226-6022 (6)	Radionuclide Ra-226	Burr, J. G. Current Activity: 1.04E+00mCi	office	Awaiting disposal: 11/05/90 Last Audited: 06/26/91
Location: Corner to right of doorway in drum				

Division: 04 Building: 1025-D

Source ID (Old ID)	Source Type	Custodian	Room	Status
Ir-192-6001 (20)	Radionuclide Ir-192	Raines, E. J. Current Activity: 1.03E-02Ci		In storage: 11/06/90 Last Audited: 06/26/91
Location: main room				

Report Date: 09/16/91

- Business Sensitive -  
MARTIN MARIETTA ENERGY SYSTEMS  
Source Inventory System  
Report SI08, K-25 site Source Inventory Summary  
By Building

Page: 7

Division: 16 Building: 1025-D

Source ID (Old ID)	Source Type	Custodian	Room	Status
Co-60-6003 (24)	Radionuclide Co-60	Burr, J. G. Current Activity:	MAIN 1.01E+00mCi	Awaiting disposal: 11/15/90 Last Audited: 06/26/91
Location: Drum in corner of roped off area.				
Co-60-6004 (25)	Radionuclide Co-60	Burr, J. G. Current Activity:	Main 1.03E+00mCi	Awaiting disposal: 11/26/90 Last Audited: 06/26/91
Location: Drum in corner of roped off area.				
Co-60-6005 (26)	Radionuclide Co-60	Burr, J. G. Current Activity:	Main 1.03E+00mCi	Awaiting disposal: 11/26/90 Last Audited: 06/26/91
Location: Drum in corner of roped off area. Drum in corner of roped off area				
Co-60-6014 (19)	Radionuclide Co-60	Burr, J. G. Current Activity:	Main 1.32E+00Ci	Awaiting disposal: 11/26/90 Last Audited: 06/26/91
Location: Left as you enter room.				
Pu-239-6013 (8)	Radionuclide Pu-239	Burr, J. G. Current Activity:	main 6.00E+01mCi	Awaiting disposal: 11/26/90 Last Audited: 06/26/91
Location: Drum in corner of roped off area.				
Pu-239-6015 (18)	Radionuclide Pu-239	Burr, J. G. Current Activity:	Main 2.00E+00Ci	Awaiting disposal: 11/15/90 Last Audited: 06/26/91
Location: Can in corner of roped off area.				
Pu-238-6002 (22)	Radionuclide Pu-238	Wells, B. B. Current Activity:	main room 2.76E+04mCi	In storage: 02/06/90 Last Audited: 06/26/91
Location: south east corner in roped off area				

Division: 07 Building: 1035

Source ID (Old ID)	Source Type	Custodian	Room	Status
Cs-137-6017 (65)	Radionuclide Cs-137	Rogers, D. F. Current Activity:	125C 5.98E+01uCi	In storage: 11/05/90 Last Audited: 08/01/91
Location: Locked in Safe/Vault against East wall				

Report Date: 09/16/91

- Business Sensitive -  
MARTIN MARIETTA ENERGY SYSTEMS  
Source Inventory System  
Report SI08, K-25 site Source Inventory Summary  
By Building

Page: 8

Division: 07 Building: 1035

Source ID (Old ID)	Source Type	Custodian	Room	Status
Cs-137-6025 (64)	Radionuclide Cs-137	Rogers, D. F. Current Activity: 5.95E+01uCi	125C	Active - in use: 01/31/91 Last Audited: 08/01/91
Location: Locked in Safe/Vault against East wall				
Cs-137-6026	Radionuclide Cs-137	Rogers, D. F. Current Activity: 9.83E-01mCi	125C	Active - in use: 01/28/91 Last Audited: 08/01/91
Location: Locked in Safe/Vault against East wall				

Division: 04 Building: 1401

Source ID (Old ID)	Source Type	Custodian	Room	Status
X-7003	X-ray generator	Hill Jr., J. B.		In storage: 01/29/90 Last Audited: 02/26/91
Type: Enclosed beam radiographic Max OutP: 1.10E+02 KV				
Location: Basement, locked in cage area				
X-7004 (n/a)	X-ray generator	Hill Jr., J. B.		In storage: 01/29/90 Last Audited: 12/03/90
Type: Portable radiographic Max OutP: 1.10E+02 KV				
Location: Basement (Storage Cage Area)				
x-7009	X-ray generator	Hill, J. B.	basement	In storage: 02/26/91 Last Audited: 02/26/91
Type: Portable radiographic Max OutP: 1.60E+02 KV				
Location: locked in a cage				
x-7010	X-ray generator	Hill, J. B.	Basement	In storage: 02/26/91 Last Audited: 02/26/91
Type: Portable radiographic Max OutP: 3.00E+02 KV				
Location: Locked in caged area				

Report Date: 09/16/91

- Business Sensitive -  
 MARTIN MARIETTA ENERGY SYSTEMS  
 Source Inventory System  
 Report SI08, K-25 site Source Inventory Summary  
 By Building

Page: 9

Division: 04 Building: 1401

Source ID (Old ID)	Source Type	Custodian	Room	Status
x-7006	X-ray generator Hill, J. B. Type: Portable radiographic Max OutP: 1.00E+02 KV		Cage Area	In storage: 01/29/90 Last Audited: 02/26/91
Location: Basement				
x-7007	X-ray generator Hill, J. B. Type: Portable radiographic Max OutP: 1.00E+02 KV		Cage area	In storage: 01/29/90 Last Audited: 02/26/91
Location: Basement				
x-7008	X-ray generator Hill, J. B. Type: Portable radiographic Max OutP: 1.40E+02 KV		Cage area	In storage: 01/29/90 Last Audited: 02/26/91
Location: Basement				
X-7001	X-ray generator Hill, J. B. Type: Enclosed beam radiographic Max OutP: 1.00E+02 KV		office area	Active - in use: 12/03/90 Last Audited: 09/04/91
Location: #2 office area				
x-7005	X-ray generator Hill, J. B. Type: Portable radiographic Max OutP: 2.00E+02 KV		Storage cage area	In storage: 01/29/90 Last Audited: 02/26/91
Location: Basement				
X-7000	X-ray generator HILL, J. B. Type: Vault Max OutP: 3.50E+02 kV		X-RAY VAULT	Active - in use: 12/03/90 Last Audited: 09/04/91
Location: 2				

Division: 22 Building: 1600

Source ID (Old ID)	Source Type	Custodian	Room	Status
Cf-252-6008 (46)	Radionuclide Cf-252	Mayor, R. L. Current Activity: 7.37E-01uCi	23	Active - in use: 04/26/91 Last Audited: 06/21/91
Location: File Cabinet				

Report Date: 09/16/91

- Business Sensitive -  
 MARTIN MARIETTA ENERGY SYSTEMS  
 Source Inventory System  
 Report SI08, K-25 site Source Inventory Summary  
 By Building

Page: 10

Division: 22 Building: 1600  
 -----

Source ID (Old ID)	Source Type	Custodian	Room	Status
Cf-252-6009 (47) Location: File Cabinet	Radionuclide Cf-252	MAYOR, R. L. Current Activity: 1.30E+00uCi	23	Active - in use: 04/26/91 Last Audited: 06/21/91
Cf-252-6010 (48) Location: File Cabinet	Radionuclide Cf-252	Mayor, R. L. Current Activity: 2.11E+00uCi	23	Active - in use: 04/26/91 Last Audited: 06/21/91
Cf-252-6011 (49) Location: File Cabinet	Radionuclide Cf-252	Mayor, R. L. Current Activity: 1.28E+01uCi	23	Active - in use: 04/26/91 Last Audited: 06/21/91
Cf-252-6012 (50) Location: File Cabinet	Radionuclide Cf-252	Mayor, R. L. Current Activity: 1.31E+01uCi	23	Active - in use: 04/26/91 Last Audited: 06/21/91
Co-57-6007 (51) Location: File cabinet	Radionuclide Co-57	Mayer, R. L. Current Activity: 3.26E-02mCi	23	In storage: 11/26/90 Last Audited: 06/21/91
Co-57-6051 Location: Just outside of room in a locked safe.	Radionuclide Co-57	Mayer, R. L. Current Activity:	23 mCi	Active - in use: 08/07/91 Last Audited: 08/07/91

ENVIRONMENTAL TEAM  
INFORMATION REQUEST

IX 6

. 6. List of all buildings containing radiological hazards; and the quantities produced, stored, and/or used on an annual basis in each building.